Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

on the part of his readers. The natural consequence of this is that, for the intelligent American reader, who has learned his scientific alphabet long since, the book is liable to appear somewhat prosy and verbose. Having said this, our criticism is concluded, for it is certain that Mr. Romanes is fully conversant with his subject in all its branches, and a careful examination of the book has shown his treatment of the subject to be judicious, accurate, and fair. For all persons who desire a straightforward statement of what is implied by the term Darwinism when strictly construed, the book is to be recommended. Since public speakers, both in favor of and opposed to the doctrines of evolution and natural selection, are only too frequently given to singular misconceptions on this subject, it is fortunate that a work has at last appeared which presents a satisfactory summary of the theory for general reference, and we hope it may be widely circulated and carefully read by the numerous class for whom it is intended. Besides numerous diagrams of fairly good quality, the volume is embellished with Jeens's well-known portrait of Darwin, from the "Nature" series, which will be welcome to all admirers of the great philosopher.

The Indians of Canada; their manners and customs. By JOHN McLEAN. Third Edition. London, Charles H. Kelly. 351 p.

MR. McLEAN speaks from the experience of nine years spent among the Indians of the North-west, and is therefore excellent authority for what came within the scope of his studies. These embraced the languages, literature, native religions, folk-lore, and later Christian life of the wild tribes. He talks in an interesting manner about their heroes, traditions, mode of living, and customs, and describes the land in which the tribes he visited pass their lives. The impression the book gives, however, is that it has been written down to a popular style, and that the author could have prepared a much more valuable production, had he not felt it necessary to consult what he considered the taste of the average reader.

AMONG THE PUBLISHERS.

THERE is now in press a work specially written for the Jewish Publication Society by Israel Zangwill, of London. It is entitled "Children of the Ghetto, being pen-pictures of a peculiar people." It will be forwarded to members in the forthcoming autumn. Arrangements have also been made for the publication, this year, of the second volume of Graetz's "History of the Jews."

— Close upon the recent invasion of Manhattan Island by thousands of enthusiasts in the cause of the elevation of the human race, comes the dread news, says *The Publishers' Weekly*, of the stealthy entry of two enemies that has struck terror into the heart of every man who owns a book worth having. So wily has been their insinuation into our midst that it would be difficult to

Reading Matter Notices.

Ripans Tabules: for torpid liver.

Ripans Tabules banish pain.

Societas Entomologica.

International Entomological Society, Zurich-Hottingen, Switzerland.

Annual fee, ten francs.

The Journal of the Society appears twice a month, and consists entirely of original articles on entomology, with a department for advertisements. All members may use this department free of cost for advertisements relating to entomology.

The Society consists of about 450 members in all countries of the world.

The new volume began April 1, 1892. The numbers already issued will be sent to new members.

For information address Mr. FRITZ RUHL, President of the Societas Entomologica, Zurich-Hottingen, Switzerland.

INDEXES

TO

Volumes XVII. and XVIII

OF

SCIENCE

are in preparation, and will be issued at an early date.

SCIENCE CLUBBING RATES.

10% DISCOUNT.

We will allow the above discount to any subscriber to *Science* who will send us an order for periodicals exceeding $10, counting each at its full price.

N. D. C. HODGES, 874 Broadway, N. Y.

Exchanges.

[Free of charge to all, if of satisfactory character. Address N. D. C. Hodges, 874 Broadway, New York.]

Taxidermist going out of business has quantity of finely-mounted specimens of North American birds, mammals and reptiles and skins of birds for sale, including a full local collection of bird skins, showing some great variations of species; also quantity of skulls with horns of deer and mountain sheep, and mounted heads of same. Will give good exchange for Hawk Eye camera with outfit. Apply quickly to J. R. Thurston, 265 Yonge St., Toronto, Canada.

To exchange; Experiment Station bulletins and reports for bulletins and reports not in my file. I will send list of what I have for exchange. P. H. ROLFS, Lake City, Florida.

For exchange.—A fine thirteen-keyed flute in leather covered case, for a photograph camera suitable for making lantern slides. Flute cost $27, and is nearly new. U. O. COX, Mankato, Minn.

Finished specimens of all colors of Vermont marble for fine fossils or crystals. Will be given only for valuable specimens because of the cost of polishing. GEO. W. PERRY, State Geologist, Rutland, Vt.

For exchange.—Three copies of "American State Papers Bearing on Sunday Legislation," 1891, 8vo, new and unused, for "The Sabbath, by Hiram Kingsbury, 1840; "The Sabbath," by A. A. Phelps, 1840; "History of the Institution of the Sabbath Day, Its Uses and Abuses," by W. L. Fisher, 1859; "Humorous Phases of the Law," by Irving Browne; or other works amounting to value of books exchanged, on the question of governmental legislation in reference to religion, personal liberty, etc. If preferred, I will sell "American State Papers," and buy other books on the subject. WILLIAM ADDISON BLAKELY, Chicago, Ill.

For Sale or Exchange for books a complete private chemical laboratory outfit. Includes large Becker balance (200g. to 1-10mg.), platinum dishes and crucibles, agate motors, glass-blowing apparatus, etc. For sale in part or whole. Also complete file of *Silliman's Journal*, 1862-1885 (62-71 bound); Smithsonian Reports, 1854-1883; U. S. Coast Survey, 1854-1869. Full particulars to enquirers. F. GARDINER, JR., Pomfret, Conn.

Wanted, in exchange for the following works, any standard works on Surgery and on Diseases of Children: Wilson's "American Ornithology," 3 vols.; Coues' "Birds of the Northwest" and "Birds of the Colorado Valley," 2 vols.; Minot's "Land and Game Birds of New England;" Samuels' "Our Northern and Eastern Birds;" all the Reports on the Birds of the Pacific R. R. Survey, bound in 2 vols., morocco; and a complete set of the Reports of the Arkansas Geological Survey. Please give editions and dates in corresponding. R. ELLSWORTH CALL, High School, Des Moines, Iowa.

To exchange Wright's "Ice Age in North America" and Le Conte's "Elements of Geology" (Copyright 1882) for "Darwinism," by A. R. Wallace, "Origin of Species," by Darwin, "Descent of Man," by Darwin, "Man's Place in Nature," Huxley, "Mental Evolution in Animals," by Romanes, "Pre-Adamites," by Winchell. No books wanted except latest editions, and books in good condition. C. S. Brown, Jr., Vanderbilt University, Nashville, Tenn.

Wants.

Any person seeking a position for which he is qualified by his training, attainments, or any person seeking some one to fill a position of this character, be it that of a teacher of science, chemist, draughtsman, or what not, may have the 'Want' inserted under this head FREE OF COST, *if he satisfies the publisher of the suitable character of his application. Any person seeking information on any scientific question, the address of any scientific man, or who can in any way use this column for a purpose consonant with the nature of the paper, is cordially invited to do so.*

WANTED.—A position as zoological artist in connection with a scientific expedition, institution or individual investigations. Experienced in microscopic and all scientific work. References given if desired. Address J. HENRY BLAKE, 7 Prentiss Place, N. Cambridge, Mass.

YOUNG MEN destined for a medical career may receive instruction in branches introductory thereto, at the same time, if desired, pursuing the so-called elementary medical studies. Advanced students can have clinical instruction, use of modern text books, etc. Will take one or two students into my family and office. Such must furnish unexceptionable references. Quizzing by mail. Address Dr. J. H. M., in care of 417 Adams Avenue, Scranton, Pa.

CHEMIST AND ENGINEER, graduate German Polytechnic, Organic and Analytical, desires a position in laboratory or chemical works. Address 213½ E. 7th Street, New York, care Levy.

A MAN, 36 years old, of extensive experience, having the degrees of A.M. and Ph.D., desires a first-class opening as a teacher of Zoölogy and kindred studies in a college or university. Can furnish numerous testimonials or references as to success and skill in most modern laboratory methods. Address E. W. D., Md. Agr. College, College Park, Md.

A YOUNG MAN, with a thorough training in Analytical Chemistry (including analysis of minerals, food, water, etc.), and having had a diploma of the School of Practical Science, of Toronto, and good testimonials, desires a position as Analytical Chemist or as assistant to such. Address to WM. LAWSON, 16 Washington Ave., Toronto, Ontario.

A JOHNS HOPKINS graduate (1892) desires a position as instructor in mathematics and physics. Address A. B. TURNER, Johns Hopkins University, Baltimore, Md.

WANTED.—A collection of postage stamps; one made previous to 1870 preferred. Also old and curious stamps on original letters, and old entire U. S. stamped envelopes. Will pay cash or give in exchange first-class fossils, including fine crinoids. WM. F. E. GURLEY, Danville, Ill.

WANTED.—To purchase laboratory outfit; balances, evaporating dishes, burettes, etc., wanted immediately for cash. C. E. SPEIRS, 23 Murray street, New York. P. O. Box 1741.

fix the exact date of their immigration. Their history really begins with the fine morning, last week, on which Mr. W. E. Benjamin of 751 Broadway, New York City, took from his shelf a worn leather-bound copy of Seneca, published in London in 1675, and found two healthy specimens of the genus *Aglossa pinguinalis* ensconced in a burrow through the bottom of the precious book.

— Harper & Brothers have in preparation an illustrated edition of Green's "Short History of the English People," a work which has probably been more widely read and enjoyed than any other of its kind. The illustrations have been selected with the purpose of carrying out the favorite wish of the author, to interpret and illustrate English history by pictures which should show how men and things appeared to lookers-on of their own day, and how contemporary observers aimed at representing them Besides a large number of elegant wood-engravings, the work will contain several colored plates, including reproductions from manuscripts, illuminated missals, etc., executed in the highest style of chromo-lithography. An exhaustive series of portraits of eminent persons will also be a prominent feature. The first volume may be expected shortly.

— Prof. Bernard Bosanquet of London, whose "History of Æsthetics" has recently been published by Macmillan & Co., has just completed a course of fifteen lectures at the School of Applied Ethics, Plymouth, Mass. His theme was an historical survey of Greek ethics, tracing to the present day the influence of Plato and Aristotle. In clearness, precision, and in power to interest and stir his hearers Mr. Bosanquet proved as effective a teacher as England has ever sent across the sea. His ability as a thinker has been familiar to American students through his work on logic, which takes high rank as an authority. A recently published volume in the Contemporary Science Series presents his "Essays and Reviews," showing him to be one of the most incisive and sympathetic writers of the time in the fields of ethical and philosophical inquiry. Mr. Bosanquet intends to visit Colorado and the Yellowstone region before returning to England next month.

Horsford's Acid Phosphate,

Recommended and prescribed by physicians of all schools

FOR

DYSPEPSIA, NERVOUSNESS, EXHAUSTION,

and all diseases arising from imperfect digestion and derangements of the nervous system.

It aids digestion, and is a brain and nerve food.

Descriptive pamphlet free.
Rumford Chemical Works, Providence R. I.

Beware of Substitutes and Imitations.

WORLD-ENGLISH.
25 Cents.
HANDBOOK OF WORLD-ENGLISH.
25 Cents.

Ex-President Andrew D. White, of Cornell University, says: "I believe that the highest interests of Christian civilization and of humanity would be served by its adoption."

"So set down, our tongue is the best for the world to unite upon."—*Brooklyn Eagle.*

"The idea of Mr. Bell has much to recommend it, and the presentation is charmingly clear."—*American*, Phila.

"The result is a language which cannot fail to meet with acceptance."—*Boston Traveller.*

"World English deserves the careful consideration of all serious scholars."—*Modern Language Notes.*

Sent, postpaid, on receipt of price.

N. D. C. HODGES, 874 Broadway, New York.

LITERARY OUTFIT FREE.

Anyone sending us $1.00 at once and mentioning "Science," will receive a copy of "Historical Sketches and Events in the Colonization of America," by G. B. Hall. A square 8vo. book (6½x9 inches), 223 pages, illustrated. This is a regular $2.00 book and a bargain at that price..... $ 2 00
200 Private Library Labels; they should be used by all who own books..... 50
"The Library," a 100-page book containing a brief list of most important standard and miscellaneous books in every department of literature. Intended for those who are about forming a library. Hints about what books to read and how to buy them..... 50
1 year's subscription to the "Literary Light," a monthly magazine of Ancient, Mediæval and Modern Literature..... 1 00
$4 00

$4.00 actual value for $1.00. Sample copy of "Literary Light," 10 cents (postal card won't do).

Address, **Literary Light,**
243 4th Ave. S. Minneapolis, Minn.

ESTERBROOK'S STEEL PENS.

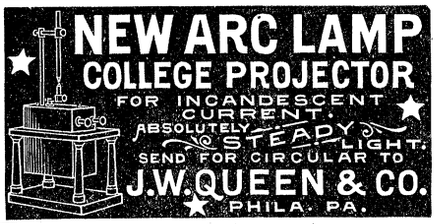
OF SUPERIOR AND STANDARD QUALITY.

Leading Nos.: 048, 14, 130, 135, 239, 333

For Sale by all Stationers.

THE ESTERBROOK STEEL PEN CO.,
Works: Camden, N. J. 26 John St., New York.

ADDRESS ON THE DEVELOPMENT OF THE
MEMORY
To introduce a series of valuable educational works the above will be sent to all applicants FREE
Room 327. JAMES P. DOWNS, PUBLISHER, 243 BROADWAY, NEW YORK.



THE CHEAPEST AND BEST!
PHOTO ENGRAVING CO.
67 PARK PLACE, NEW YORK
ENGRAVING FOR ALL ILLUSTRATIVE AND ADVERTISING PURPOSES

MINERALS. Cabinet Specimens, Collections, and material by the pound, for mineralogists, collectors, colleges, schools, and chemists. Send for 100-page catalogue, paper bound, 15 cents; cloth bound, 25 cents; supplement, 2 cents. GEO. L. ENGLISH & Co., Mineralogists, 733 & 735 B'way, N. Y.

THE WEEKLY BULLETIN
OF NEWSPAPER AND PERIODICAL LITERATURE.
Catalogues and Classifies Each Week
THE PRINCIPAL CONTENTS OF THE PERIODICAL PRESS.

That huge mass of material heretofore inaccessible to the eager student is now rendered available. Special attention is invited to the Bulletin's

INDEX OF TECHNICAL LITERATURE

Send for a *free sample copy* and learn how

The Bulletin Supplies The Articles Catalogued.

Address THE WEEKLY BULLETIN,
5 Somerset Street, - - Boston, Mass.

Speech Reading and Articulation Teaching.

By A. MELVILLE BELL.

Price, 25 Cents.

Practical Instructions in the Art of Reading Speech from the Mouth; and in the Art of Teaching Articulation to the Deaf.

[This Work—written at the suggestion of Miss Sarah Fuller, Principal of the Horace Mann School for the Deaf, Boston, Mass.—is, so far as known, the first Treatise published on "Speech Reading."]

From Principals of Institutions for the Deaf.

"Admirable in its conciseness, clearness and freedom from technicality."

"The simplicity and perfection of this little book. . . ."

"Full of exact and helpful observations."

"A very interesting and valuable work."

"The rules are clearly given and will be of great utility."

"Every articulation teacher should study it."

"A model of clearness and simplicity, without having any of the puzzling symbols that trouble the common mind. . . . The exercises given in speech-reading from the lips are especially interesting, and of great importance for the student of phonetics."—*Modern Language Notes.*

*** The above work may be obtained, by order, through any bookseller, or post-free on receipt of price, from

N. D. C. HODGES, 874 Broadway, N. Y.

PATENTS

For INVENTORS. 40-page BOOK FREE. Address W. T. Fitzgerald, Attorney at Law, Washington, D.C.

QUERY.

Can any reader of *Science* cite a case of lightning stroke in which the dissipation of a small conductor (one-sixteenth of an inch in diameter, say,) has failed to protect between two horizontal planes passing through its upper and lower ends respectively? Plenty of cases have been found which show that when the conductor is dissipated the building is not injured to the extent explained (for many of these see volumes of Philosophical Transactions at the time when lightning was attracting the attention of the Royal Society), but not an exception is yet known, although this query has been published far and wide among electricians.

First inserted June 19, 1891. No response to date.

N. D. C. HODGES,
874 BROADWAY, NEW YORK.

THE RADIOMETER.
By DANIEL S. TROY.
This contains a discussion of the reasons for their action and of the phenomena presented in Crookes' tubes.
Price, postpaid, 50 cents.
N. D. C. HODGES, 874 Broadway, N. Y.

THE BOTANICAL GAZETTE.
A monthly illustrated journal of botany in all its departments.
25 cents a number, $2.50 a year.
Address PUBLISHERS BOTANICAL GAZETTE,
Bloomington, Ind.

JOHN IRELAND'S Bookstore, 1197 Broadway
near 29th St., is convenient to the residence quarter of the city; it is a good place to drop into on the way up or down town to select books or stationery. His stock is well selected and embraces all the new and standard books as soon as issued. Out-of-town purchasers can order by mail with every confidence that their wants will be as well supplied as if buying in person.

AUTHORS AND PUBLISHERS.
Material arranged and compiled for all kinds of works, excepting fiction. Statistics a specialty. Indexing and cataloguing. Address G. E. BIVER, 835 N. 16th Street, Philadelphia.

BACK NUMBERS and complete sets of leading Magazines. *Rates low.* AM. MAG. EXCHANGE, Schoharie N Y

TO THE READERS OF SCIENCE.

PUBLISHER'S ANNOUNCEMENT.

Titles of Some Articles Published in *Science* since Jan. 1, 1892.

Aboriginal North American Tea.
Actinism.
Agriculture, Experimental, Status of.
Amenhotep, King, the tomb of.
Anatomy, The Teaching of, to Advanced Medical Students.
Anthropology, Current Notes on.
Architectural Exhibition in Brooklyn.
Arsenical Poisoning from Domestic Fabrics.
Artesian Wells in Iowa.
Astronomical Notes.
Bacteria, Some Uses of.
Botanical Laboratory, A.
Brain, A Few Characteristics of the Avian.
Bythoscopidæ and Cereopidæ.
Canada, Royal Society of.
Celts, The Question of the.
Chalicotherium, The Ancestry of.
Chemical Laboratory of the Case School of Applied Science.
Children, Growth of.
Collection of Objects Used in Worship.
Cornell, The Change at.
Deaf, Higher Education of the.
Diphtheria, Tox-Albumin.
Electrical Engineer, The Technical Education of.
Eskimo Throwing Sticks.
Etymology of two Iroquoian Compound Stems.
Eye-Habits.
Eyes, Relations of the Motor Muscles of, to Certain Facial Expressions.
Family Traits, Persistency of.
Fishes, The Distribution of.
Fossils, Notice of New Gigantic.
Four-fold Space, Possibility of a Realization of.
Gems, Artificial, Detection of.
Glacial Phenomena in Northeastern New York.
Grasses, Homoptera Injurious to.
Great Lakes, Origin of the Basins of.
"Healing, Divine."
Hemipterous Mouth, Structure of the.
Hofmann, August Wilhelm von.
Hypnotism among the Lower Animals.
Hypnotism, Traumatic.
Indian occupation of New York.
Infant's Movements.
Influenza, Latest Details Concerning the Germs of.
Insects in Popular Dread in New Mexico.
Inventions in Foreign Countries, How to Protect.
Inventors and Manufacturers, the American Association of.
Iowa Academy of Sciences.
Jargon, The Chinook.
Jassidæ; Notes on Local.
Keller, Helen.
Klamath Nation, Linguistics.
Laboratory Training, Aims of.
Lewis H. Carvill, Work on the Glacial Phenomena.
Lightning, The New Method of Protecting Buildings from.
Lissajou's Curves, Simple Apparatus for the Production of.
Maize Plant, Observations on the Growth and Chemical Composition of.
Maya Codices, a Key to the Mystery of.
Medicine, Preparation for the Study of.
Mineral Discoveries, Some Recent, in the State of Washington.
Museums, The Support of.
Palenque Tablet, a Brief Study of.
Patent Office Building, The.
Physa Heterostropha Lay, Notes on the Fertility of.
Pocket Gopher, Attempted Extermination of.
Polariscopes, Direct-Reflecting.
Psychological Laboratory in the University of Toronto.
Psychological Training, The Need of.
Psylla, the Pear-Tree.
Rain-Making.
Rivers, Evolution of the Loup, in Nebraska.
Scientific Alliance, The.
Sistrurus and Crotalophorus.
Star Photography, Notes on.
Star, The New, in Auriga.
Storage of Storm-Waters on the Great Plains.
Teaching of Science.
Tiger, A New Sabre-Toothed, from Kansas.
Timber Trees of West Virginia.
Tracheæ of Insects, Structure of.
Vein-Formation, Valuable Experiments in.
Weeds as Fertilizing Material.
Will, a Recent Analysis of.
Wind-Storms and Trees.
Wines, The Sophisticated French.
Zoology in the Public Schools of Washington, D. C.

Some of the Contributors to *Science* Since Jan. 1, 1892.

Aaron, Eugene M., Philadelphia, Pa.
Allen, Harrison, Philadelphia, Pa.
Baldwin, J. Mark, University of Toronto, **Canada.**
Barnes, Charles Reid, Madison, Wis.
Baur, G., Clark University, Worcester, Mass.
Beal, W. J., Agricultural College, Mich.
Beals, A. H., Milledgeville, Ga.
Beauchamp, W. M., Baldwinsville, N.Y.
Boas, Franz, Clark University, Worcester, Mass.
Bolley, H. L., Fargo, No. Dak.
Bostwich, Arthur E., Montclair, N.J.
Bradley, Milton, Springfield, Mass.
Brinton, D. G., Philadelphia, Pa.
Call, E. Ellsworth, Des Moines, Ia.
Chandler, H., Buffalo, N.Y.
Comstock, Theo. B., Tucson, Arizona.
Conn, H. W., Middletown, Conn.
Cragin, F. W., Colorado Springs, Col.
Davis, W. M., Harvard College, Cambridge, Mass.
Dimmock, George, Canobie Lake, N.H.
Farrington, E. H., Agricultural Station, Champaign, Ill.
Ferree, Barr, New York City.
Flexner, Simon, Johns Hopkins University, Baltimore, Md.
Foshay, P. Max, Rochester, N.Y.
Gallaudet, E. M., Kendall Green, Washington, D.C.
Garman, S., Museum of Comp. Zool., Cambridge, Mass.
Golden, Katherine E., Agricultural College, Lafayette, Ind.
Hale, Edwin M., Chicago, Ill.
Hale, George S., Boston, Mass.
Hale, Horatio, Clinton, Ontario, Canada.
Hall, T. Proctor, Clark University, Worcester, Mass.
Halsted, Byron D., Rutgers College, New Brunswick, N.J.
Haworth, Erasmus, Oskaloosa, Iowa.
Hay, O. P., Irvington, Ind.
Haynes, Henry W., Boston Mass.
Hazen, H. A., Weather Bureau, Washington, D.C.
Hewitt, J. N. B., Bureau of Ethnology, Washington, D.C.
Hicks, L. E., Lincoln, Neb.
Hill, E. J., Chicago, Ill.
Hill, Geo. A., Naval Observatory, Washington, D.C.
Hitchcock, Romyn, Washington, D.C.
Holmes, E. L. Chicago, Ill.
Hotchkiss, Jed., Staunton, Va.
Howe, Jas. Lewis, Louisville, Ky.
Hubbard, Gardiner G., Washington, D.C.
Jackson, Dugald C., Madison, Wisconsin
James, Joseph F., Agricultural Dept., Washington, D.C.
Johnson, Roger B., Miami University, Oxford, O.
Kellerman, Mrs. W. A., Columbus, O.
Kellicott, D. S., State University, Columbus, O.
Kellogg, D. S., Plattsburgh, N. Y.
Lintner, J. A., Albany, N. Y.
Loeb, Morris, New York City.
Mabery, Charles F., Cleveland, Ohio.
Macloskie, G., Princeton, N.J.
McCarthy, Gerald, Agricultural Station, Raleigh, N.C.
MacDonald, Arthur, Washington, D.C.
Marshall, D. T., Metuchen, N.J.
Mason, O. T., Smithsonian Institution, Washington, D.C.
Millspaugh, Charles F., Morgantown, W. Va.
Nichols, C. F., Boston, Mass.
Nuttall, George H. F., Johns Hopkins University, Baltimore, Md.
Oliver, J. E., Cornell University, Ithaca, N.Y.
Osborn, Henry F., Columbia College, New York City.
Osborn, Herbert, Agricultural College, Ames, Iowa.
Pammel, L. H., Agricultural Station, Ames, Iowa.
Pillsbury, J. H., Smith College, Northampton, Mass.
Poteat, W. L., Wake Forest, N. C.
Preble, Jr., W. P., New York City.
Ruffner, W. H., Lexington, Va.
Sanford, Edmund C., Clark University, Worcester, Mass.
Schufeldt, R. W., Washington, D.C.
Scripture, E. W., Clark University, Worcester, Mass.
Slade, D. D., Museum Comp. Zool., Cambridge, Mass.
Smith, John B., Rutgers College, New Brunswick, N.J.
Southwick, Edmund B., New York City.
Stevens, George T., New York City.
Stevenson, S. Y., Philadelphia, Pa.
Stone, G. H., Colorado Springs, Col.
Thomas, Cyrus, Washington, D. C.
Thurston, R. H., Cornell University, Ithaca, N.Y.
Todd, J. E., Tabor, Iowa.
True, Frederick W., National Museum, Washington, D.C.
Turner, C. H., University of Cincinnati, Cincinnati, O.
Wake, C., Staniland, Chicago, Ill.
Ward, R. DeC., Harvard University, Cambridge, Mass.
Ward, Stanley M., Scranton, Pa.
Warder, Robert B., Howard University, Washington, D.C.
Welch, Wm. H., Johns Hopkins University, Baltimore, M.D.
West, Gerald M., Clark University, Worcester, Mass.
Whitman, C. O., Clark University, Worcester, Mass.
Williams, Edward H., Lehigh University, Bethlehem, Pa.